

**Table S4.** Estimated incidence rates for Canadian adults hospitalized with pneumococcal CAP from 2010 to 2015 (all tests performed).

Age category (years)	Annual incidence rates of pCAP <sup>1</sup> per 100,000 population (95% CI)				
	2011	2012	2013	2014	2015
15-19	N/A	N/A	N/A	N/A	N/A
20-29	7.9 (-7.6 to 23.5)	20.4 (-2.7 to 43.5)	15.4 (2.7 to 28.1)	N/A	N/A
30-39	9.7 (7.9 to 21.4)	20.0 (0.1 to 39.9)	15.5 (3.3 to 27.7)	4.9 (-4.7 to 14.4)	15.4 (1.8 to 29.0)
40-49	19.6 (1.2 to 40.3)	32.5 (4.5 to 60.5)	32.4 (13.0 to 51.7)	15.1 (2.6 to 27.5)	19.2 (1.7 to 36.8)
50-59	73.8 (24.1 to 123.4)	83.8 (50.0 to 117.5)	40.3 (18.5 to 62.1)	31.1 (12.1 to 50.1)	22.5 (1.3 to 43.6)
60-69	105.2 (21.0 to 189.4)	184.2 (105.9 to 262.6)	119.7 (69.3 to 170.2)	71.2 (33.6 to 108.8)	113.6 (173.6 to 53.7)
70-79	189.6 (14.4 to 364.8)	151.3 (25.3 to 277.3)	310.6 (171.9 to 449.2)	134.7 (39.8 to 229.6)	149.2 (35.7 to 262.7)
80+	738.2 (30.2 to 1506.6)	381.4 (33.3 to 796.2)	600.0 (274.1 to 925.3)	101.0 (37.9 to 239.9)	193.1 (70.9 to 457.1)
16-49	16.9 (5.9 to 28.0)	22.2 (10.0 to 34.4)	20.0 (12.1 to 27.8)	5.7 (1.3 to 10.1)	13.8 (5.7 to 22.0)
50-64	88.5 (36.1 to 141.0)	110.8 (72.9 to 149.5)	70.9 (45.4 to 96.4)	38.9 (20.4 to 57.3)	46.9 (21.3 to 72.9)
65+	277.3 (119.6 to 435.0)	284.8 (161.6 to 408.0)	302.0 (205.8 to 398.5)	138.1 (71.2 to 204.9)	178.9 (82.9 to 274.8)
50+	182.3 (107.1 to 257.6)	212.1 (152.8 to 271.5)	177.2 (134.9 to 219.5)	88.0 (58.2 to 117.8)	112.4 (69.3 to 155.4)
All ages (16+)	85.5 (55.8 to 115.8)	101.3 (76.1 to 126.5)	88.3 (70.3 to 106.4)	39.4 (27.2 to 51.6)	59.2 (40.2 to 78.3)

<sup>1</sup>CAP cases tested by at all diagnostic test(s) for *S. pneumoniae* (sputum culture, blood culture, and urine antigen testing). Note: CIRN SOS surveillance was initiated December 1, 2010, and as such, only a limited number of cases were identified in 2010. These data were not presented. Abbreviations: Confidence intervals (CI); not applicable (N/A); pneumococcal community acquired pneumonia (pCAP).